

### ABSTRACT OF THE DISCLOSURE

A device for determining the temperature of a medium flowing through a duct has a probe body with a base member from which elongated probe arms project and extending in the manner of a curtain or grid through the duct. A temperature sensor is provided on the probe body. As a result of the probe arms extending in planar distributed manner over the duct cross-section, there is a type of planar, integral temperature determination with temperature averaging. This averaged temperature is measured with the temperature sensor. Thus, local medium temperature variations cannot falsify the result of the overall temperature.

(cf. fig. 3)